

# EUROPEAN PATENT OFFICE

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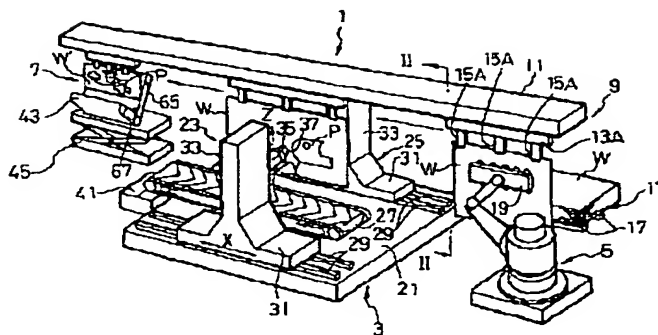
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TITLE : LASER BEAM MACHINING METHOD  
AND DEVICE TO BE USED FOR THE  
MACHINING METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To save a floor area requiring for the installation of a machine, and to prevent a back flaw occurring on a material.

SOLUTION: A metal plate transfer device 9 transferring a metal plate in the horizontal direction in the air in the vertical state by holding the upper tip part of the metal plate W, is provided. The metal plate is vertically mounted on the metal plate transfer device by a robot 5. A vertical laser beam machine 3 performing laser beam machining to the metal plate held in the vertical state on the metal plate transfer device, is provided. The metal plates worked by the vertical laser beam machine are transferred to the position of a product accumulation device 7 by the metal plate transfer device, and the metal plates are accumulated by the product accumulation device.

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